

*10* 11. (amended) The modulator as claimed in Claim 7, wherein the AGC circuit outputs the control signal on the basis of the signal outputted from the PLL circuit.

## REMARKS

This Preliminary Amendment is being filed in order to eliminate the multiple dependency of the claims. An action on the merits of Claims 1-19 is requested.

Respectfully submitted,



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Marked-Up Copy of Amended Claims:

4. (amended) The modulator as claimed in Claim 2 [or Claim 3], wherein the PLL circuit includes an oscillator that generates the reference signal, a frequency divider that divides the frequency of the input signal to output a frequency divided signal, and a comparator that compares the reference signal and the frequency divided signal to detect a phase difference between both.

6. (amended) The modulator as claimed in Claim 2 [or Claim 3], wherein the AGC circuit outputs the control signal on the basis of the signal outputted from the PLL circuit.

9. (amended) The modulator as claimed in Claim 7 [or Claim 8], wherein the PLL circuit includes an oscillator that generates the reference signal, a frequency divider that divides the frequency of the input signal to output a frequency divided signal, and a comparator that compares the reference signal and the frequency divided signal to detect a phase difference between both.

11. (amended) The modulator as claimed in Claim 7 [or Claim 8], wherein the AGC circuit outputs the control signal on the basis of the signal outputted from the PLL circuit.